



#### ABSTRACT OF THE DISCLOSURE

The present invention relates to proteins having the amino acid sequences of SEQ ID Nos: 2, 4 and 6, modifications thereof, nucleotide sequences encoding same, transgenic non-human animals with altered expression level of a serine protease BSSP6, an antibody against BSSP6, and a method for detecting BSSP6 in a specimen by using the antibody.